	Changed a file from non-ASCII to ASCENTE D Corlhod by: Vorlhod by: (ST
	Changed the margins in cases where the sequence text was "wrapped" down to the next line.
	Edited a format error in the Current Application Data section, specifically:
5	Edited the Current Application Data section with the actual current number. The number inputted by tapplicant was the prior application data; or other
	Added the mandatory heading and subheadings for "Current Application Data"
	Edited the 'Number of Sequences' field. The applicant spelled out a number instead of using an integral
	Changed the spelling of a mandatory field (the headings or subheadings), specifically:
	Corrected the SEO ID NO when obviously incorrect. The sequence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEO ID NO's edited:
	Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
	Inserted colons after headings/subheadings. Headings edited included: •,
	Deleted extra invalid, headings used by an applicant, specifically 2207 in Seq. 3
	Detetod: non-ASCII *garbago* at the beginning/end of tilos: secretary initials/filename at end of page numbers throughout text; other invalid toxt, such as
	Inserted mandatory headings, specifically:
	Corrected an obvious error in the response, specifically:
	Educid identifiers where upper case is used but lower case is required, or vice versa.
	Corrected an orror in the Number of Sequences field, specifically:
_	A "Hard Pago Break" code was inserted by the applicant. All occurrences had to be deleted.
D di	related ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (enumber to a Patentin bug). Sequences corrected:
(Other:
_	:

Examiner: The above corrections must be communicated to the applicant in the first Office 20195
Action: DO NOT send a copy of this form.

RAW SEQUENCE LISTING

DATE: 01/10/2002 PATENT APPLICATION: US/10/016,149 TIME: 20:23:19

Input Set : A:\PTO.AMC.txt

	5	<110>	APPLICANT: C. Frank Bennett	
	7		Jacqueline Wyatt	
	11	<120>	TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2,	GROUP V (CA2+-
	12		DEPENDENT) EXPRESSION	
	16	<130>	FILE REFERENCE: RTS-0325	
C>	20	<140>	CURRENT APPLICATION NUMBER: US/10/016,149	
C>			CURRENT FILING DATE: 2001-11-01	
			NUMBER OF SEQ ID NOS: 84	
			SEQ ID NO: 1	
	-		LENGTH: 20	
			TYPE: DNA	
			ORGANISM: Artificial Sequence	
		<220>		
		<223>		
			SEQUENCE: 1	
			categ etecteaggg	20
			SEQ ID NO: 2	
			LENGTH: 20	
			TYPE: DNA	
			ORGANISM: Artificial Sequence	
			FEATURE:	
			OTHER INFORMATION: Antisense Oligonucleotide	
			SEQUENCE: 2	2.0
		_	ttctg cccccaagga	20
			SEQ ID NO: 3	
			LENGTH: 1016 TYPE: DNA	
			ORGANISM: Homo sapiens	
			FEATURE:	
			NAME/KEY: CDS	
			LOCATION: (133)(549)	
			SEQUENCE: 3	
			tacca atgttccgac tggagacggg gagcccgcga gacccgggtc tccagggtct	60
			aaggaa gttgctcatg ggagcagacc cctagagcag gatttgaggc caggccaaag	120
			occoag ag atg aaa ggo oto oto coa otg got tgg tto otg got tgt	171
	107	_	Met Lys Gly Leu Leu Pro Leu Ala Trp Phe Leu Ala Cys	
	109		1 5 10	
	113	agt (gtg cct gct gtg caa gga ggc ttg ctg gac cta aaa tca atg atc	219
	115	ser '	Val Pro Ala Val Gln Gly Gly Leu Leu Asp Leu Lys Ser Met Ile	
	117	7	15 20 25	
			aag gtg aca ggg aag aac gcc ctg aca aac tac ggc ttc tac ggc	267
	123	3 Glu :	Lys Val Thr Gly Lys Asn Ala Leu Thr Asn Tyr Gly Phe Tyr Gly	
	125		35 40 45	
			tac tgc ggc tgg ggc ggc cga gga acc ccc aag gat ggc acc gat	315
			Tyr Cys Gly Trp Gly Gly Arg Gly Thr Pro Lys Asp Gly Thr Asp	
	133		50 55 60	
	137	tgg '	tgc tgt tgg gcg cat gac cac tgc tat ggg cgg ctg gag gag aag	363

RAW SEQUENCE LISTING DATE: 01/10/2002 PATENT APPLICATION: US/10/016,149 TIME: 20:23:19

Input Set : A:\PTO.AMC.txt

145 ggc tgc aac att cgc aca cag tcc tac aaa tac aga ttc ggc tgg ggc 411 147 Gly Cys Asn Ile Arg Thr Gln Ser Tyr Lys Tyr Arg Phe Ala Trp Gly 149 80 85 90 153 gtg gtc acc tgc gag ccc ggg ccc ttc tgc cat gtg aac ctc tgt gcc 459 155 Val Val Thr Cys Glu Pro Gly Pro Phe Cys His Val Asn Leu Cys Ala 105 157 95 100 105 161 tgt gac cgg aag ctc gtc tac tgc ctc aaq aga aac cta cgg agt cac 320 163 Cys Asp Arg Lys Leu Val Tyr Cys Leu Lys Arg Asn Leu Arg Ser Tyr 165 110 120 125 169 aac cca cag tac caa tac ttt ccc aac atc ctc tgc tcc tag gcctcccag 559 171 Asn Pro Gln Tyr Gln Tyr Phe Pro Asn Ile Leu Cys Ser 177 130 130 135 177 cgagctcct ccagaccaag acttttgttc tgtttttct a caacacagag tactgactct 619 181 gcctggttcc tgagagaggc tcctaagtca cagacctcag tctttctcga agcttggcg 718 182 acccccaggg ccacactgt ccctccaagc agtcccagag agtgacct ggtgaggag cacactgt gagacacttc ctgagagag aggagagcct ctggtgcaa 72 183 acccccaggg ccacactgt ccctagagcac cacttcttga gygaaggcct ctggtgcaa 73 189 cttggtdaggg tcccaaggagt ccatagtaca 73 189 cttggtdaggg taccaaggaggttggtgtgt tctttttct tctctgaaga caggtcctg 73 197 gctccagttg gaacactttc ctgagatgac cacttctca agcttctgag acagattac 73 198 ggtgtatggg tattaaaataa aattcattc caaggact agcttggc 74 199 ggtgtatggg tattaaataa aattcattc caaggact 74 190 SeQ ID NO: 4 191 <210 SEQ ID NO: 5 191 <210 SEQ ID NO: 5 192 <400 SEQUENCE: 4 193 GGANISM: Artificial Sequence 193 <211 LENGTH: 22 194 <212 TYPE: DNA 195 Coll DNO: 6 196 SeQ ID NO: 6 197 Cyclaggttt ctcttgagagc agta 8 198 Caccccaggttt ctcttgagagc agta 8 199 Caccccaggttt ctcttgagagc agta 8 199 Caccccaggagttt ctcttgagagc agta 8 190 Caccccaggagttt ctcttgagagc agta 8 190 Caccccaggaggttt ctctttgagagc 8 190 Caccccaggagttt 190 No: 5 190 SeQ ID NO: 6 190 SeQ ID NO: 7 190 SeQ ID NO		Trp	Cys	Cys	Trp	Ala	His	Asp	His		Tyr	Gly	Arg	Leu		Glu	Lys	
147 Gly Cys Asn Ile Arg Thr Gln Ser Tyr Lys Tyr Arg Phe Ala Trp Gly	141		.		65					70				++~	75	+	~~~	433
149																		411
153 9tg gtc acc tgc gag ccc ggg ccc ttc tgc cat gtg aac ctc tgt gcc 155 Val Val Thr Cys Glu Pro Pine Cys His Val Asn Leu Cys Ala 157 95 100 105 105 105 105 105 105 105 105 105 105 105 105 105 105 105 105 105 105 125 125 125 106 105 105 115 120 125 125 125 169 aac cca cag tac caa tac ttt ccc aac atc ctc tgc tcc tag gcctccccag 559 130 135		GLY	Cys		TTE	Arg	Thr	GIN		Tyr	Lys	Tyr	Arg		Ата	Trp	GIY	
155 Val Val Thr Cys Glu Pro Gly Pro Phe Cys His Val Asn Leu Cys Ala 157 95 100 105																	~~~	450
157 95																		459
161 tgt gac cgg aag ctc gtc tac tgc ctc aag aga aac cta cgg agc tac 507 163 Cys Asp Arg Lys Leu Val Tyr Cys Leu Lys Arg Asn Leu Arg Ser Tyr 165 110		val		Thr	Cys	GIU	Pro	-	PLO	Pne	Cys	HIS		ASII	ьeu	Cys	Ald	
163 Cys Asp Arg Lys Leu Val Tyr Cys Leu Lys Arg Asn Leu Arg Ser Tyr 165 110 115 120 125 169 aac cca cag tac caa tac ttt ccc aac atc ctc tgc tcc tag gcctcccag 559 171 Asn Pro Gln Tyr Gln Tyr Phe Pro Asn Ile Leu Cys Ser 173 130 135 177 cgagctcctc ccagaccaag actttigtic tgtitticta caacacagag tactgactct 619 181 gcctggttcc tgagagaggc tcctaagtca cagacctcag tctitctcga agcttggcgg 679 185 acccccaggg ccacactgta ccctccagcg agtcccagga gagtgactct ggtcatagga 189 cttigtaggg tcctaggic cctaggicac cacattictagag gaggaccct ctggtgccaa 739 189 cttigtaggg tccagaggic cctaggicac cacattictagag gagagccctc tggtgccaa 739 193 gagctctcct ccaactcagg gitggctgt tctittict tctictgaaga cagcgicctg 859 197 gctccagtig gaacacttic ctgagatgca cttactictc agctictgcg atcagattat 910 101 catacaccac acciccaga gaattitag caagaagagc caaaattgact ctctaaatct 919 201 catacaccac acciccaga gaattitag caagaagagc caaaattgact ctctaaatct 979 205 ggtgtatggg tattaaataa aattcattct caaggct 1016 211 <210				~ ~ ~		-+-	~+~		+~~	a+ a	222	. ~ .		a+ a	~~~	200	+ > 0	507
165 100 115 120 125 169 aac cca cag tac caa tac ttt ccc aac atc ctc tgc tcc tag gcctcccag 559 171 Asn Pro Gln Tyr Gln Tyr Phe Pro Asn Ile Leu Cys Ser 173 130 135 177 cgagctcctc ccagaccaag acttttgtct tgttttcta caacacagag tactgactct 619 181 gcctggttcc tgagagaggc tcctaagtca cagacctag tetttctga agcttggcgg 679 185 accccaggg ccacactgta ccctccagcg agtcccagga gagtgactct ggtcatagga 739 189 cttggtaggg tcccaagggtc cctaagtca cattcttgag ggcagcccc tggtgcaa 749 185 accccagtg gaacactttc ctgaggctc cacttctgag ggcagcccc tggtgcaa 749 187 qctccagttg gaacactttc ctgagatgca cttacttct agcttctgc atcagtcat 919 188 qgtctccct ccaactcagg gttggtgtg tccttttct tcttctgaag caggcgccaa 749 189 qgtccagttg gaacactttc ctgagatgca cttacttct agcttctgcg atcagtat 919 189 qgtccagttg gaacactttc ctgagatgca cttacttct agcttctgcg atcagattat 919 180 qctccagttg gaacactttc ctagagatgc caaaatgact ctctaaatct 97 180 qgtgtatggg tattaaaataa aattcattct caaggct 1016 181 <2110 > SEQ ID NO: 4 182 <2110 > SEQ ID NO: 4 183 <2112 LENGTH: 18 181 <212 > TYPE: DNA 181 <212 > TYPE: DNA 182 <213 > ORGANISM: Artificial Sequence 182																		307
169 aac cca cag tac caa tac ttt ccc aac atc ctc tgc tcc tag gcctcccag 559		_	ASP	Arg	Lys	Leu		тут	Cys	Leu	ьуѕ		ASII	ьец	AIG	Ser		
171			000	a 2 a	+20	a aa		+++	000	220	ato		taa	taa	tar	aga		550
173 cgagctcctc ccagaccaag actttgttc tgttttcta caacacagag tactgacct															Lay	gee	Lecceay	333
177 cqagetecte ccagaccaag actititite tight to tig		ASII	PIO	GIII	тут		тут	PHE	PIO	ASII		Leu	Суѕ	ser				
181 gcctggttcc tgagagaggc tcctaagtca cagacctcag tctttctcga agcttggcgg 679 185 accccaggg cccacactgta ccctccagcg agtcccagga gatgactct ggtcatagga 739 189 cttggtaggg tcccagggtc cctaggctc cacttctgag ggcagccct ctggtgccaa 799 193 gagctctcct ccaactcagg gttggctgt tctctttct tctctgaaga cacgctcctg 859 197 gctccagttg gaacacttc ctgagatgca cttactctc agcttctgcg atcagattat 919 201 catcaccacc accctccaga gaattttacg caagaaggc caaattgact ctctaaatct 979 205 gtgtataggg tattaaaataa aattcattct caaggct 1016 211 <210> SEQ ID NO: 4 4 213 <211> LENGTH: 18 8 215 <212> TYPE: DNA 8 217 <223 OTHER INFORMATION: PCR Primer		000	-a+a	n+ a	aa.a.			+++	- ~+ + /	. + ~ :		-0+2	022	32020	7207	taat	ractot	610
185 acccecaggg ccacactgta ccctcagcg agtcccagga gagtgactct ggtcatagga 739 189 cttggtaggg tcccagggtc cctaggcctc cacttctagg ggcagccct ctggtccaa 779 189 gagctctcct ccacactcagg gttggctgtg tccttttct tcctcgaaga cagcgtcct																		
189 cttggtaggg tcccagggtc cctaggcctc cactctgag ggcagcccct ctggtgccad 799 193 gagctctcct ccaactcagg gttggctgtg tctcttttct tctctgaag cacgtcctg 859 197 gctccagttg gaacactttc ctgagatgca cttactctc agcttctgcg atcagtatt 919 201 catcaccacc accctccaga gaattttacg caagaagagc caaattgact ctctaaaatct 979 205 ggtgtatggg tattaaataa aattcattct caaggct 1016 211 <210 > SEQ ID NO: 4 118 118 215 <212 > TYPE: DNA 117 <213 > ORGANISM: Artificial Sequence 118 118 221 <220 > FEATURE: 118 118 118 118 225 <223 > OTHER INFORMATION: PCR Primer 118 <																		
193 gagetetect ceaacteagg gitiggetigg tetetitet tetetigaaga cagegetect 197 getecagitig gaacactite ctigagatiga citactitete agetititicitititititititititititititititit						_				-				-			-	
197 gctccagttg gaacactttc ctgagatgca cttacttctc agcttctgcg atcagattat 919 201 catcaccacc accctccaga gaattttacg caagaagagc caaattgact ctctaaatct 979 205 ggtgtatggg tattaaataa aattcattct caaggct 1016 211 <210 > SEQ ID NO: 4 213 <211 > LENGTH: 18 215 <212 > TYPE: DNA 217 <213 > ORGANISM: Artificial Sequence 221 <220 > FEATURE: 225 <223 > OTHER INFORMATION: PCR Primer 229 <400 > SEQUENCE: 4 231 ggccctctg ccatgtga 18 237 <210 > SEQ ID NO: 5 239 <211 > LENGTH: 24 241 <212 > TYPE: DNA 243 <213 > ORGANISM: Artificial Sequence 247 <220 > FEATURE: 251 <223 > OTHER INFORMATION: PCR Primer 255 <400 > SEQUENCE: 5 257 ccgtagtga 2		-							-					-				
201 catcaccacc accetecaga gaattttacg caagaagage caaattgact etetaaatet 979 205 ggtgataggg tattaaataa aattcattet caagget 1016 211 <210 > SEQ ID NO: 4 213 <211 > LENGTH: 18 215 <212 > TYPE: DNA 217 <213 > ORGANISM: Artificial Sequence 221 <220 > FEATURE: 225 <223 > OTHER INFORMATION: PCR Primer 229 <400 > SEQUENCE: 4 231 ggccettetg ccatgtga 18 237 <210 > SEQ ID NO: 5 239 <211 > LENGTH: 24 241 <212 > TYPE: DNA 243 <213 > ORGANISM: Artificial Sequence 247 <220 > FEATURE: 251 <223 > OTHER INFORMATION: PCR Primer 255 <400 > SEQUENCE: 5 276 ccgtaggtt tetettgagge agta 24 263 <210 > SEQ ID NO: 6 265 <211 > LENGTH: 22 267 <212 > TYPE: DNA 270 <213 > ORGANISM: Artificial Sequence 271 <220 > FEATURE: 272 <230 > OTHER INFORMATION: PCR Primer 255 <400 > SEQUENCE: 5 277 ccgtaggttt ctettgagge agta 24 263 <210 > SEQ ID NO: 6 265 <211 > LENGTH: 22 267 <212 > TYPE: DNA 270 <223 > OTHER INFORMATION: PCR Probe 281 <400 > SEQUENCE: 6 283 tgtgcctgtg accggaaget cg 22 289 <210 > SEQ ID NO: 7 291 <211 > LENGTH: 19						_								_	_			
205 ggtgtatggg tattaaataa aattcattct caaggct 1016 211 <210 > SEQ ID NO: 4 213 <211 > LENGTH: 18 215 <212 > TYPE: DNA 217 <213 > ORGANISM: Artificial Sequence 221 <220 > FEATURE: 225 <223 > OTHER INFORMATION: PCR Primer 229 <400 > SEQUENCE: 4 231 ggccctctg coatgtga 18 237 <210 > SEQ ID NO: 5 239 <211 > LENGTH: 24 241 <212 > TYPE: DNA 243 <213 > ORGANISM: Artificial Sequence 247 <220 > FEATURE: 251 <223 > OTHER INFORMATION: PCR Primer 252 <400 > SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210 > SEQ ID NO: 6 265 <211 > LENGTH: 22 267 <212 > TYPE: DNA 269 <213 > ORGANISM: Artificial Sequence 273 <220 > FEATURE: 277 <223 > OTHER INFORMATION: PCR Primer 273 <220 > FEATURE: 277 <223 > OTHER INFORMATION: PCR Probe 281 <400 > SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210 > SEQ ID NO: 7 291 <211 > LENGTH: 19		_	_	_	_				-									
211 <210> SEQ ID NO: 4 213 <211> LENGTH: 18 215 <212> TYPE: DNA 217 <213> ORGANISM: Artificial Sequence 221 <220> FEATURE: 225 <223> OTHER INFORMATION: PCR Primer 229 <400> SEQUENCE: 4 231 ggecettetg ccatgtga 18 237 <210> SEQ ID NO: 5 239 <211> LENGTH: 24 241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 299 <213> ORGANISM: Artificial Sequence 213 <220> FEATURE: 214 <250						-	-		-			-	Caac	accyc	icc		aattt	
213 <211> LENGTH: 18 215 <212> TYPE: DNA 217 <213> ORGANISM: Artificial Sequence 221 <220> FEATURE: 225 <223> OTHER INFORMATION: PCR Primer 229 <400> SEQUENCE: 4 231 ggcccttctg ccatgtga 18 237 <210> SEQ ID NO: 5 239 <211> LENGTH: 24 241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 255 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 270 <222> OTHER INFORMATION: PCR Primer 255 <400> SEQ ID NO: 6 255 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 274 <220> FEATURE: 275 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19			-				ia ac	LLC	LLC	. Cac	agge	-						1010
215 <212> TYPE: DNA 217 <213> ORGANISM: Artificial Sequence 221 <220> FEATURE: 225 <223> OTHER INFORMATION: PCR Primer 229 <400> SEQUENCE: 4 231 ggcccttctg ccatgtga																		
217 <213> ORGANISM: Artificial Sequence 221 <220> FEATURE: 225 <223> OTHER INFORMATION: PCR Primer 229 <400> SEQUENCE: 4 231 ggcccttctg ccatgtga)												
221 <220> FEATURE: 225 <223> OTHER INFORMATION: PCR Primer 229 <400> SEQUENCE: 4 231 ggcccttctg ccatgtga						Δrt	ifici	al G	Seans	nce								
225 <223> OTHER INFORMATION: PCR Primer 229 <400> SEQUENCE: 4 231 ggcccttctg ccatgtga 18 237 <210> SEQ ID NO: 5 239 <211> LENGTH: 24 241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
229 <400> SEQUENCE: 4 231 ggcccttctg ccatgtga 18 237 <210> SEQ ID NO: 5 239 <211> LENGTH: 24 241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 5 278 <220> FEATURE: 279 <221> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
231 ggcccttctg ccatgtga 18 237 <210> SEQ ID NO: 5 239 <211> LENGTH: 24 241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggtt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
237 <210> SEQ ID NO: 5 239 <211> LENGTH: 24 241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaaget cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19														18				
239 <211> LENGTH: 24 241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
241 <212> TYPE: DNA 243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
243 <213> ORGANISM: Artificial Sequence 247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
247 <220> FEATURE: 251 <223> OTHER INFORMATION: PCR Primer 255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19						Arti	fici	al S	Seque	ence								
255 <400> SEQUENCE: 5 257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19									•									
257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19	251	<223	3> 01	HER	INFO	ORMAT	CION	PCI	R Pri	imer								
257 ccgtaggttt ctcttgaggc agta 24 263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19	255	<400)> SI	EQUE	NCE:	5												
263 <210> SEQ ID NO: 6 265 <211> LENGTH: 22 267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19							rc ac	rta										24
267 <212> TYPE: DNA 269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
269 <213> ORGANISM: Artificial Sequence 273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19	265	<211	l> LE	ENGT	H: 22	2												
273 <220> FEATURE: 277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19	267	<212	2> TY	PE:	DNA													
277 <223> OTHER INFORMATION: PCR Probe 281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19	269	<213	3> OF	RGAN	ISM:	Arti	lfici	lal S	Seque	ence								
281 <400> SEQUENCE: 6 283 tgtgcctgtg accggaagct cg 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
283 tgtgcctgtg accggaagct cg 22 289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19							CION	PCI	R Pro	be								
289 <210> SEQ ID NO: 7 291 <211> LENGTH: 19																		
291 <211> LENGTH: 19			-	-			ct cg	J										22
293 <212> TYPE: DNA						9												
	293	<212	2> TY	PE:	DNA													

RAW SEQUENCE LISTING

DATE: 01/10/2002

19

20

20

PATENT APPLICATION: US/10/016,149

16,149 TIME: 20:23:19

Input Set : A:\PTO.AMC.txt

- 295 <213> ORGANISM: Artificial Sequence
- 299 <220> FEATURE:
- 303 <223> OTHER INFORMATION: PCR Primer
- 307 <400> SEQUENCE: 7
- 309 gaaggtgaag gtcggagtc
- 315 <210> SEQ ID NO: 8
- 317 <211> LENGTH: 20
- 319 <212> TYPE: DNA
- 321 <213> ORGANISM: Artificial Sequence
- 325 <220> FEATURE:
- 329 <223> OTHER INFORMATION: PCR Primer
- 333 <400> SEQUENCE: 8
- 335 gaagatggtg atgggatttc
- 341 <210> SEQ ID NO: 9
- 343 <211> LENGTH: 20
- 345 <212> TYPE: DNA
- 347 <213> ORGANISM: Artificial Sequence
- 351 <220> FEATURE:
- 355 <223> OTHER INFORMATION: PCR Probe
- 359 <400> SEQUENCE: 9
- 361 caagetteee gtteteagee 20
- 367 <210> SEQ ID NO: 10
- 369 <211> LENGTH: 20
- 371 <212> TYPE: DNA
- 373 <213> ORGANISM: Artificial Sequence
- 377 <220> FEATURE:
- 381 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 385 <400> SEQUENCE: 10
- 387 tetecagteg gaacattggt 20
- 393 <210> SEQ ID NO: 11
- 395 <211> LENGTH: 20
- 397 <212> TYPE: DNA
- 399 <213> ORGANISM: Artificial Sequence
- 403 <220> FEATURE:
- 407 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 411 <400> SEQUENCE: 11
- 413 gcagaccctg gagacccggg 20
- 419 <210> SEQ ID NO: 12
- 421 <211> LENGTH: 20
- 423 <212> TYPE: DNA
- 425 <213> ORGANISM: Artificial Sequence
- 429 <220> FEATURE:
- 433 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 437 <400> SEQUENCE: 12
- 437 <400> SEQUENCE: 12 439 ttgggcagac cctggagacc
- 445 <210> SEQ ID NO: 13
- 447 <211> LENGTH: 20
- 449 <212> TYPE: DNA
- 451 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 01/10/2002

PATENT APPLICATION: US/10/016,149

TIME: 20:23:19

20

20

20

20

20

Input Set : A:\PTO.AMC.txt

- 455 <220> FEATURE:
- 459 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 463 <400> SEQUENCE: 13
- 465 cttccttggg cagaccctgg
- 471 <210> SEQ ID NO: 14
- 473 <211> LENGTH: 20
- 475 <212> TYPE: DNA
- 477 <213> ORGANISM: Artificial Sequence
- 481 <220> FEATURE:
- 485 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 489 <400> SEQUENCE: 14
- 491 cccatgagca acttccttgg
- 497 <210> SEQ ID NO: 15 499 <211> LENGTH: 20
- 501 <212> TYPE: DNA
- 503 <213> ORGANISM: Artificial Sequence
- 507 <220> FEATURE:
- 511 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 515 <400> SEQUENCE: 15
- 517 ctgctcccat gagcaacttc 523 <210> SEQ ID NO: 16
- 525 <211> LENGTH: 20
- 527 <212> TYPE: DNA
- 529 <213> ORGANISM: Artificial Sequence
- 533 <220> FEATURE:
- 537 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 541 <400> SEQUENCE: 16
- 20 543 cctcaaatcc tgctctaggg
- 549 <210> SEQ ID NO: 17
- 551 <211> LENGTH: 20 553 <212> TYPE: DNA
- 555 <213> ORGANISM: Artificial Sequence
- 559 <220> FEATURE:
- 563 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 567 <400> SEQUENCE: 17
- 569 ctctttggcc tggcctcaaa
- 575 <210> SEQ ID NO: 18
- 577 <211> LENGTH: 20
- 579 <212> TYPE: DNA
- 581 <213> ORGANISM: Artificial Sequence
- 585 <220> FEATURE:
- 589 <223> OTHER INFORMATION: Antisense Oligonucleotide
- 593 <400> SEQUENCE: 18
- 595 ggaggccttt catctctggg 601 <210> SEQ ID NO: 19
- 603 <211> LENGTH: 20
- 605 <212> TYPE: DNA
- 607 <213> ORGANISM: Artificial Sequence
- 611 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 01/10/2002 PATENT APPLICATION: US/10/016,149 TIME: 20:23:19

Input Set : A:\PTO.AMC.txt

	<223> OTHER INFORMATION: Antisense Oligonucleotide	
	<400> SEQUENCE: 19	20
	aagccaggaa ccaagccagt <210> SEQ ID NO: 20	20
	<211> LENGTH: 20	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Antisense Oligonucleotide	
	<400> SEQUENCE: 20	
	cactacaagc caggaaccaa	20
	<210> SEQ ID NO: 21	
	<211> LENGTH: 20	
657	<212> TYPE: DNA	
659	<213> ORGANISM: Artificial Sequence	
663	<220> FEATURE:	
667	<223> OTHER INFORMATION: Antisense Oligonucleotide	
671	<400> SEQUENCE: 21	
673	gcacactaca agccaggaac	20
679	<210> SEQ ID NO: 22	
681	<211> LENGTH: 20	
	<212> TYPE: DNA	
685	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Antisense Oligonucleotide	
	<400> SEQUENCE: 22	
	aggcacacta caagccagga	20
	<210> SEQ ID NO: 23	
	<211> LENGTH: 20	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
	<pre><223> OTHER INFORMATION: Antisense Oligonucleotide</pre>	
	<400> SEQUENCE: 23	20
	tgcacagcag gcacactaca	20
	<210> SEQ ID NO: 24	
	<211> LENGTH: 20 <212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<pre><210> FEATURE:</pre>	
	<pre><223> OTHER INFORMATION: Antisense Oligonucleotide</pre>	
	<pre><225> OTHER INFORMATION. Antisense Offgondefeotide <400> SEQUENCE: 24</pre>	
	cagcaagcct ccttgcacag	20
	<210> SEQ ID NO: 25	20
	<211> LENGTH: 20	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Antisense Oligonucleotide	

VERIFICATION SUMMARY

DATE: 01/10/2002

PATENT APPLICATION: US/10/016,149 TIME: 20:23:20

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01102002\J016149.raw

L:20 M:270 C: Current Application Number differs, Replaced Current Application No

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date